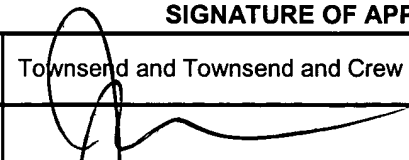
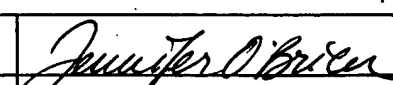


IFW

PTO TRANSMITTAL FORM AUG 22 2005 (to be used for all correspondence after initial filing)	Application Number	10/660,857
	Filing Date	September 12, 2003
	First Named Inventor	PHAN, LOC X.
	Art Unit	3732
	Examiner Name	Unassigned
	Attorney Docket Number	018563-001140US
Total Number of Pages in This Submission		

ENCLOSURES (Check all that apply)		
<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Supplemental Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Reply to Missing Parts/ Incomplete Application <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation <input type="checkbox"/> Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ <input type="checkbox"/> Landscape Table on CD	<input type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): Return Postcard PTO/SB/08A & PTO/SB/08B 154 Reference Copies
Remarks: The Commissioner is authorized to charge any additional fees to Deposit Account 20-1430.		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT			
Firm Name	Townsend and Townsend and Crew LLP		
Signature			
Printed name	James M. Heslin		
Date	August 19, 2005	Reg. No.	29,541

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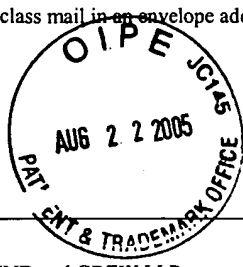
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TOWNSEND and TOWNSEND and CREW LLP

By: Jennifer O'Brien
Jennifer O'Brien



PATENT
Attorney Docket No.: 018563-001140US
Client Reference No.: AT-00014.3

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

LOC X. PHAN et al.

Application No.: 10/660,857

Filed: September 12, 2003

For: ATTACHMENT DEVICES AND
METHODS FOR A DENTAL
APPLIANCE

Customer No.: 46718

Examiner: Unassigned

Art Unit: 3732

SUPPLEMENTAL INFORMATION
DISCLOSURE STATEMENT UNDER 37
CFR §1.97 and §1.98

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

The references cited on attached form PTO/SB/08A and PTO/SB/08B are being called to the attention of the Examiner. Copies of the references [in compliance with the requirements of 1287 OG 163] are enclosed. It is respectfully requested that the cited references be expressly considered during the prosecution of this application, and the references be made of record therein and appear among the "references cited" on any patent to issue therefrom.

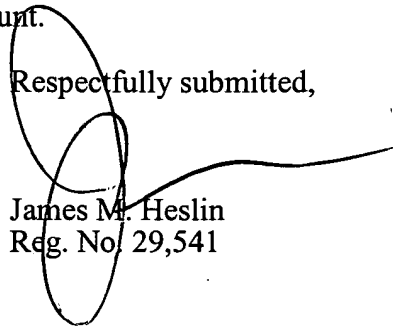
As provided for by 37 CFR 1.97(g) and (h), no inference should be made that the information and references cited are prior art merely because they are in this statement and no

representation is being made that a search has been conducted or that this statement encompasses all the possible relevant information.

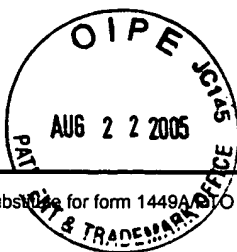
Applicant believes that no fee is required for submission of this statement.

However, if a fee is required, the Commissioner is authorized to deduct such fee from the undersigned's Deposit Account No. 20-1430. Please deduct any additional fees from, or credit any overpayment to, the above-noted Deposit Account.

Respectfully submitted,


James M. Heslin
Reg. No. 29,541

TOWNSEND and TOWNSEND and CREW LLP
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San Francisco, California 94111-3834
Tel: 650-326-2400
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JMH:tfw
60561019 v1



Substitution for form 1449A (08-03) INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Complete if Known	
Application Number		10/660,857	
Filing Date		September 12, 2003	
First Named Inventor		PHAN, LOC X.	
Art Unit		3732	
Examiner Name		Unassigned	
Attorney Docket Number		018563-001140US	
Sheet	1	of	11

U.S. PATENT DOCUMENTS+					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number Kind Code ² (if known)			
	1	3,407,500	10-29-1968	Kesling	
	2	3,600,808	08-24-1971	Reeve	
	3	3,683,502	08-15-1972	Wallshein.	
	4	3,983,628	10-05-1976	Acevedo	
	5	4,253,828	03-03-1981	Coles et al.	
	6	4,324,547	04-13-1982	Arcan et al.	
	7	4,500,294	02-19-1985	Lewis	
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	9	4,575,330	03-11-1986	Hull	
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	11	4,609,349	09-02-1986	Cain	
	12	4,664,626	05-12-1987	Kesling	
	13	4,676,747	06-30-1987	Kesling	
	14	4,836,778	06-06-1989	Baumrind et al.	
	15	4,850,865	07-25-1989	Napolitano	
	16	4,877,398	10-31-1989	Kesling	
	17	4,880,380	11-14-1989	Martz	
	18	4,889,238	12-26-1989	Batchelor	
	19	4,890,608	01-02-1990	Steer	
	20	4,935,635	06-19-1990	O'Harra,	
	21	4,941,826	07-17-1990	Loran et al.	
	22	4,983,334	01-08-1991	Adell	
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	24	5,145,364	09-08-1992	Martz et al.	
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	26	5,440,326	08-08-1995	Quinn	
	27	5,528,735	06-18-1996	Strasnick et al.	
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	29	5,621,648	04-15-1997	Crump	
	30	5,645,420	07-08-1997	Bergersen	
	31	5,692,894	12-02-1997	Schwartz et al.	
	32	5,725,376	03-10-1998	Poirier	
	33	5,725,378	03-10-1998	Wang	
	34	5,742,700	04-21-1998	Yoon et al.	
	35	5,799,100	08-25-1998	Clarke et al.	
	36	5,800,174	09-01-1998	Andersson	
	37	5,823,778	10-20-1998	Schmitt et.al.	
	38	5,848,115	12-08-1998	Little et al.	
	39	5,857,853	01-12-1999	van Niferick et al.	
	40	5,866,058	02-02-1999	Batchelder et al.	
	41	5,879,158	03-09-1999	Doyle et al.	
Examiner Signature			Date Considered		

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			First Named Inventor	PHAN, LOC X.
			Art Unit	3732
Examiner Name	Unassigned			
Sheet 2	of 11	Attorney Docket Number	018563-001140US	

U.S. PATENT DOCUMENTS+					
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	42	5,880,961	03-09-1999	Crump	
	43	5,880,962	03-09-1999	Andersson et al.	
	44	5,934,288	08-10-1999	Avila et al.	
	45	5,957,686	09-28-1999	Anthony	
	46	6,015,289	01-18-2000	Andreiko et al.	
	47	6,044,309	03-28-2000	Honda	
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	49	6,062,861	05-16-2000	Andersson	
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	51	6,099,314	08-08-2000	Kopelman et al.	
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	55	6,190,165	02-20-2001	Andreiko et al.	
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	62	6,524,101	02-25-2003	Phan et al.	
	63	6,554,611	04-29-2003	Chishti et al.	
	64	2002/0006597	01-17-2002	Andreiko et al.	
	65	RE 35169	03-05-1996	Lemchen et al.	

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Examiner Initials*	Cite No. ¹	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³	Number ⁴	Kind Code ⁵ (if known)				
	66	AU	517102		07-09-1981	Hito Suyehiro		<input type="checkbox"/>
	67	AU	3031677		05-10-1979	Hito Suyehiro		<input type="checkbox"/>
	68	AU	5598894		06-08-1994	Ormco Corp		<input type="checkbox"/>
	69	CA	1121955		04-20-1982	Suyehiro Hito		<input type="checkbox"/>
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	74	EP	0376873		07-04-1990	Shafir		<input type="checkbox"/>
	75	EP	0490848		06-17-1992	Nobelpharma AB.		<input type="checkbox"/>

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			Application Number	10/660,857	
			Filing Date	September 12, 2003	
			First Named Inventor	PHAN, LOC X.	
			Art Unit	3732	
			Examiner Name	Unassigned	
Sheet	3	of	11	Attorney Docket Number	018563-001140US

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. ¹	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
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	76	EP	0541500		05-12-1993	Nobelpharma AB		<input type="checkbox"/>
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	78	EP	0774933		05-28-1997	Sandvik AB		<input type="checkbox"/>
	79	EP	0731673		09-18-1996	Nobel Biocare AB		<input type="checkbox"/>
	80	ES	463897		01-01-1980	Hito Suyehiro		<input type="checkbox"/>
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	83	GB	1550777		08-22-1979	Hito Suyehiro		<input type="checkbox"/>
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	85	JP	53-058191		05-25-1978	Yoshii		<input checked="" type="checkbox"/>
	86	JP	08-508174		09-03-1996	Ormco Corp		<input checked="" type="checkbox"/>
	87	WO	90/08512		08-09-1990	Dolphin Imaging System		<input type="checkbox"/>
	88	WO	91/04713		04-18-1991	Jourda et.al.		<input type="checkbox"/>
	89	WO	94/10935		05-26-1994	Ormco Corp		<input type="checkbox"/>
	90	WO	98/32394		07-30-1998	Hultgren Bruce Willard		<input type="checkbox"/>
	91	WO	98/44865		10-15-1998	Nobel Biocare AB		<input type="checkbox"/>

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			Filing Date	September 12, 2003	
			First Named Inventor	PHAN, LOC X.	
			Art Unit	3732	
			Examiner Name	Unassigned	
Sheet	4	of	11	Attorney Docket Number	018563-001140US

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	92	ALEXANDER et al., The DigiGraph Work Station Part 2, Clinical Management, <i>JCO</i> (July 1990), pp. 402-407.	
	93	ALTSCHULER et al, Measuring Surfaces Space-Coded by a Laser-Projected Dot Matrix, <i>SPIE Imaging Applications for Automated Industrial Inspection and Assembly</i> , Vol. 182 (1979), p. 187-191.	
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	95	ALTSCHULER et al., Laser Electro-Optic System for Rapid Three-Dimensional (3D) Topographic Mapping of Surfaces, <i>Optical Engineering</i> , Vol. 20, No. 6, (1981), pp. 953-961.	
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	97	AMERICAN ASSOCIATION FOR DENTAL RESEARCH, Summary of Activities, March 20-23, 1980, Los Angeles, CA, p. 195.	
	98	ANDERSSON et al., Clinical Results with Titanium Crowns Fabricated with Machine Duplication and Spark Erosion, <i>Acta Odontologica Scandinavica</i> , Vol. 47 (1989), pp. 279-286.	
	99	ANDREWS, <i>The Six Keys to Optimal Occlusion Straight Wire</i> , Chapter 3, pp 13-24.	
	100	BAUMRIND et al., A Stereophotogrammetric System for the Detection of Prosthesis Loosening in Total Hip Arthroplasty, NATO Symposium on Applications of Human Biostereometrics, July 9-13, 1978, <i>SPIE</i> , Vol. 166, pp. 112-123.	
	101	BAUMRIND et al., Mapping the Skull in 3-D, Reprinted from The Journal, <i>California Dental Association</i> , Vol. 48, No. 2 (1972 Fall Issue) 11 pages total.	
	102	BAUMRIND, "A System for Craniofacial Mapping Through the Integration of Data from Stereo X-Ray Films and Stereo Photographs," An invited paper submitted to the 1975 American Society of Photogram. Symposium on Close-Range Photogram. Systems, University of Ill., Aug. 26-30, 1975, pp. pp.142-166.	
	103	BAUMRIND, Integrated Three-Dimensional Craniofacial Mapping: Background, Principles, and Perspectives, <i>Seminars in Orthodontics</i> , Vol. 7, No. 4 (Dec. 2001), pp. 223-232.	
	104	BEGOLE et al., A Computer System for the Analysis of Dental Casts, <i>The Angle Orthodontist</i> , Vol. 51 No. 3 (July 1981), pp. 253-259.	

Examiner Signature		Date Considered	
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			Art Unit	3732	
			Examiner Name	Unassigned	
Sheet	5	of	11	Attorney Docket Number	018563-001140US

NON PATENT LITERATURE DOCUMENTS			
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	105	BERNARD et al., "Computerized Diagnosis in Orthodontics for Epidemiological Studies: A Progress Report, Paper presented at International Association for Dental Research 66th General Session, March 9-13, 1988, Montreal, Canada. The abstract is published in <i>J Dental Res Special Issue</i> Vol. 67, p. 169.	
	106	BHATIA et al, A Computer-Aided Design for Orthognathic Surgery, <i>British Journal of Oral and Maxillofacial Surgery</i> , Vol. 22 (1984), pp. 237-253.	
	107	BIGGERSTAFF et al., Computerized Analysis of Occlusion in the Postcanine Dentition, <i>American Journal of Orthodontics</i> , Vol. 61, No. 3 (Mar. 1972), pp. 245-254.	
	108	BIGGERSTAFF, Computerized Diagnostic Setups and Simulations, <i>The Angle Orthodontist</i> , Vol. 40, No. 1 (Jan. 1970), pp. 28-36.	
	109	BIOSTAR OPEATION & TRAINING MANUAL. Great Lakes Orthodontics, Ltd. 199 Fire Tower Drive, Tonawanda, New York. 14150-5890. 20 pages total	
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	111	BRANDESTINI et al., Computer Machined Ceramic Inlays: In Vitro Marginal Adaptation, <i>Journal of Dental Research</i> , Vol. 64/Special Issue/Abstracts, IADR/AADR Abstracts 1985, p. 208	
	112	BROOK et al., An Image Analysis System for the Determination of Tooth Dimensions from Study Casts: Comparison with Manual Measurements of Mesio-distal Diameter, <i>J Dent Res.</i> , Vol. 65, No. 3, March 1986, pp. 428-431.	
	113	BURSTONE (interview), Dr. Charles J. Burstone on The Uses of the Computer in Orthodontic Practice (Part 1), <i>Journal of Clinical Orthodontics</i> , (1979 Jul), Vol. 13. No. 7, pp. 442-53.	
	114	BURSTONE (interview), Dr. Charles J. Burstone on The Uses of the Computer in Orthodontic Practice (Part 2), <i>Journal of Clinical Orthodontics</i> , (1979 Aug), Vol. 13, No. 8, pp. 539-51.	
	115	BURSTONE et al., Precision Adjustment of the Transpalatal Lingual Arch: Computer Arch Form Predetermination, <i>Am Journal of Orthodontics</i> , Vol. 79, No. 2 (Feb. 1981), pp. 115-133.	
	116	CARDINAL INDUSTRIAL FINISHES, Powder Coatings information posted at http://www.cardinalpaint.com on Aug. 25, 2000, 2 pages total.	
	117	CHACONAS et al., The DigiGraph Work Station, Part 1, Basic Concepts, <i>JCO</i> (June 1990), pp. 360-367.	
	118	CHAFETZ et al., Subsidence of the Femoral Prosthesis, A Stereophotogrammetric Evaluation, <i>Clinical Orthopedics and Related Research</i> , No. 201 (December 1985), pp. 60-67.	

Examiner Signature		Date Considered	
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			Art Unit	3732	
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Sheet	6	of	11	Attorney Docket Number	018563-001140US

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	119	CRAWFORD, CAD/CAM in the Dental Office: Does It Work? <i>Canadian Dental Journal</i> , Vol. 57, No. 2 (Feb. 1991), pp. 121-123.	
	120	CRAWFORD, "Computers in Dentistry: Part 1: CAD/CAM: The Computer Moves Chairside," "Part 2: F. Duret — A Man With A Vision," "Part 3: The Computer Gives New Vision- Literally," "Part 4: Bytes 'N Bites" The Computer Moves From The Front Desk To The Operatory, <i>Canadian Dental Journal</i> , Vol. 54(9), (1988), pp. 661-666.	
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